

GATEWAY NATIONAL RECREATION AREA TRAFFIC DATA PACKAGE

NPS Traffic Monitoring Program, Coverage Count and Data Reporting Project DTFH71-02-R-00013



January 30, 2004

Prepared for

**Department of Transportation
Federal Highway Administration
Eastern Federal Lands Highway Division**



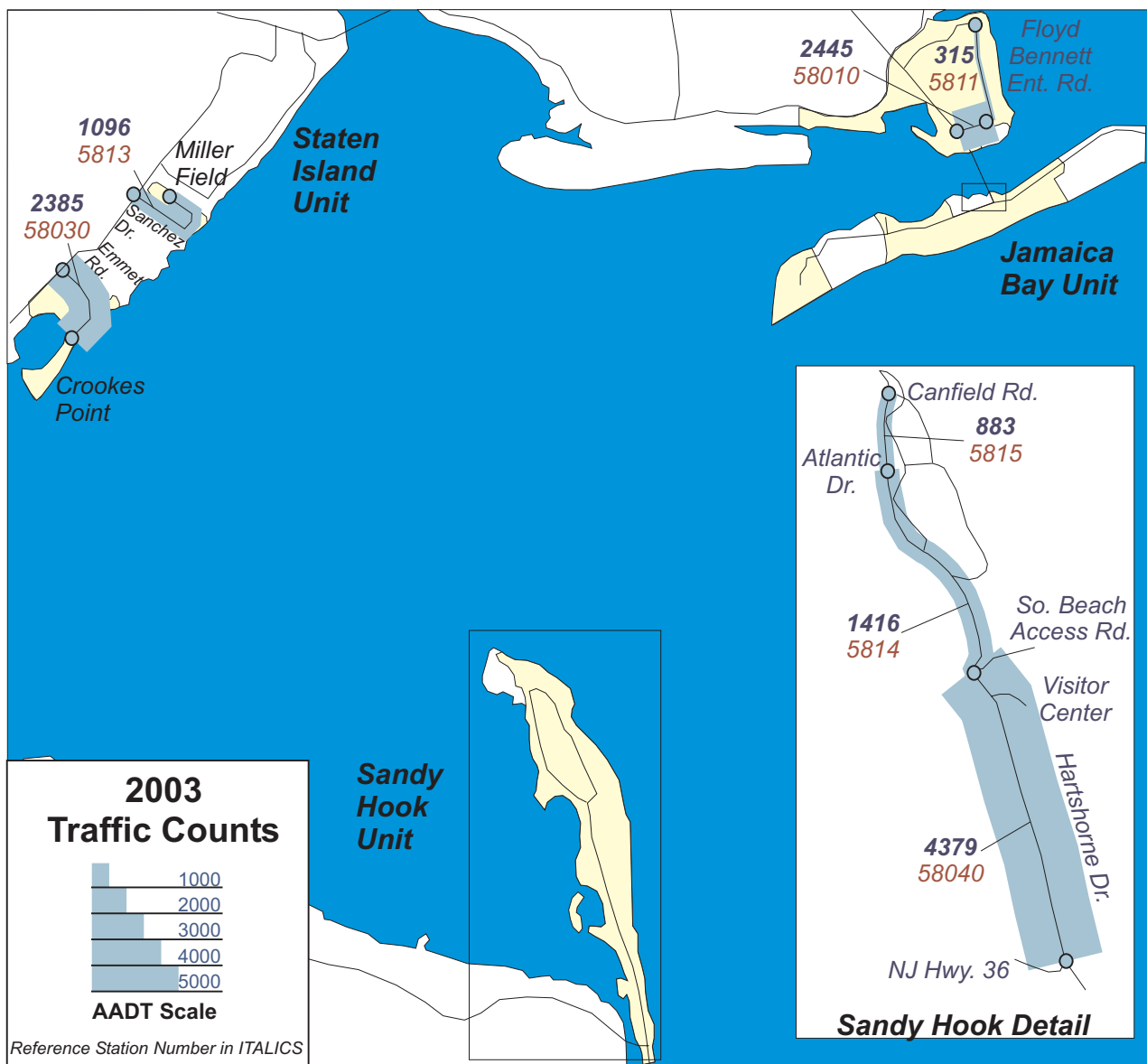
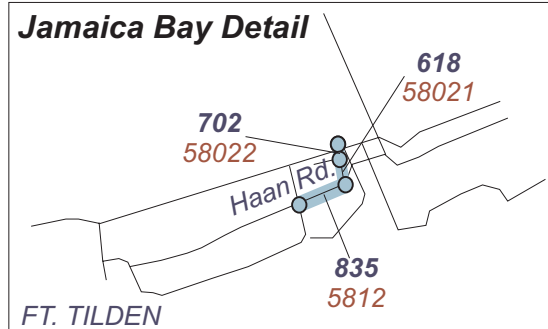
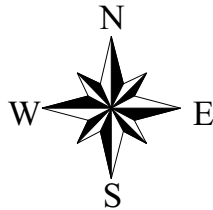
**U.S. Department of Transportation
Federal Highway Administration**

Submitted by



Gateway National Recreation Area

New York & New Jersey
U.S. Department of Interior
NATIONAL PARK SERVICE



National Park Service Traffic Count Program

GATEWAY NATIONAL RECREATION AREA

TRAFFIC TRENDS SUMMARY

Rt. No.	Roadway Segment	Sta. ID.	Length	AADT				VMT(1000's)			
				1988	1991	1994	2003	1988	1991	1994	2003
30	SIU-Emmet Road - Park Bdry. To Great Kills Parking Area	58030	1.78	1706	2553	2671	2385	1108	1659	1735	1550
60	SHU-Hartshorne Dr. - NJ Hwy. 36 to So. Beach Access Rd.	58040	2.82	3311	5542	5338	4379	3408	5704	5494	4507
60	SHU-Hartshorne Dr. - So. Beach Access Rd. to Atlantic Dr.	5814	0.72	599	1830	2852	1416	157	481	750	372
60	SHU-Harshorne Dr. - Atlantic Dr. to Canfield Rd.	5815	1.53	198	663	568	883	111	370	317	493
132	SIU-Sanchez Dr. - Beach Road to Park Boundary	5813	0.72	294	285	342	1096	77	75	90	288
200	JBU-Floyd Bennett Ent. Rd. - Flatbush Ave. to Ranger Rd.	58010	0.74	2026	2692	3009	2445	547	727	813	660
200	JBU-Floyd Bennett Ent. Rd. - Ranger Rd. to Runway C.	5811*	1.14	1001	1606	1721	315	417	668	716	131
212	BPU-Heinzelman Rd. - Rockaway Point Blvd. To Barrett Rd.	58022	0.05	379	490	510	702	7	9	9	13
212	BPU-Heinzelman Rd. - Barrett Rd. to Haan Rd.	58021	0.06	338	373	388	618	7	8	8	14
214	BPU-Haan Rd. - East Quarters Rd. to Hero Rd.	5812	0.16	300	371	790	835	18	22	46	49
VMT SUMMARY								5857	9723	9979	8077

Note: AADT -- Annual Average Daily Traffic

VMT-- Vehicle Miles of Travel

* Volume is based on weekend count. Higher volume is expected during the week as there are many office buildings along this link.

National Park Service Traffic Count Program

GATEWAY NATIONAL RECREATION AREA

2003 TRAFFIC VOLUME SUMMARY

Sta. ID.	STATION LOCATION	BEGIN DATE	24 HR. VOL.	SEAS. FACT.	ANN. FACT.	SADT	AADT	REF. STA.
58010	JBU-Floyd Bennett Ent. Rd. - Flatbush Ave. to Ranger Rd.					2616	2445	Self
58030	SIU-Emmet Road - Park Bdry. To Great Kills Parking Area					3055	2385	Self
58040	SHU-Hartshorne Dr. - NJ Hwy. 36 to So. Beach Access Rd.					5590	4379	Self
58021	BPU-Heinzelman Rd. - Barrett Rd. to Haan Rd.	9/27/03	729	0.9077	0.8482	662	618	58010
58022	BPU-Heinzelman Rd. - Rockaway Point Blvd. To Barrett Rd.	9/27/03	828	0.9077	0.8482	752	702	58010
5811*	JBU-Floyd Bennett Ent. Rd. - Ranger Rd. to Runway C.	9/27/03	371	0.9077	0.8482	337	315	58010
5812	BPU-Haan Rd. - East Quarters Rd. to Hero Rd.	9/27/03	985	0.9077	0.8482	894	835	58010
5813	SIU-Sanchez Dr. - Beach Road to Park Boundary	9/27/03	1910	0.7349	0.5737	1404	1096	58030
5814	SHU-Hartshorne Dr. - So. Beach Access Rd. to Atlantic Dr.	9/27/03	3154	0.5733	0.4491	1808	1416	58040
5815	SHU-Harshorne Dr. - Atlantic Dr. to Canfield Rd.	9/27/03	1966	0.5733	0.4491	1127	883	58040

Note: AADT -- Annual Average Daily Traffic

SADT -- Seasonal Average Daily Traffic computed using data for the months containing 80% of annual volume.

REF. STA. -- a permanent Automated Traffic Recorder (ATR) reference station used to obtain seasonal and annual adjustment factors for coverage counts.

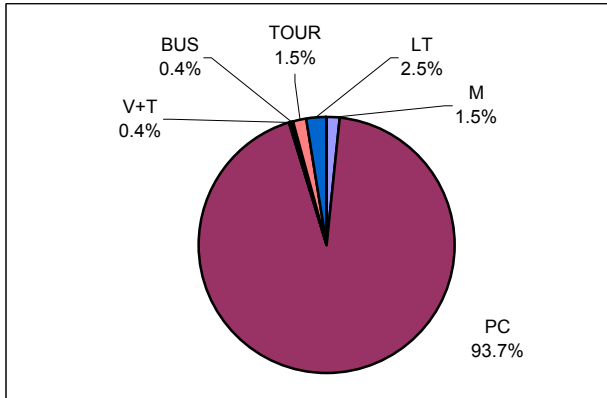
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National Park Service Traffic Count Program

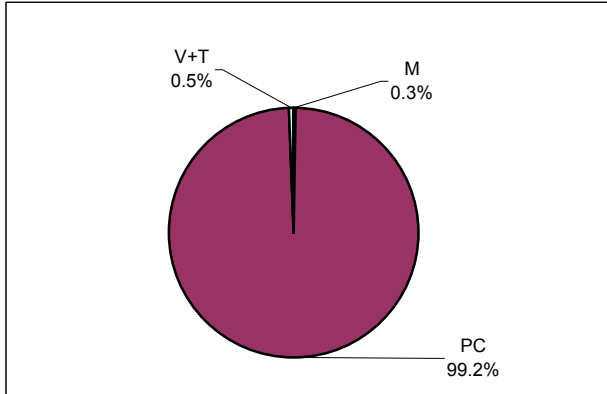
GATEWAY NATIONAL RECREATION AREA

Vehicle Classification

Location: STATION 58010



Location: STATION 58030



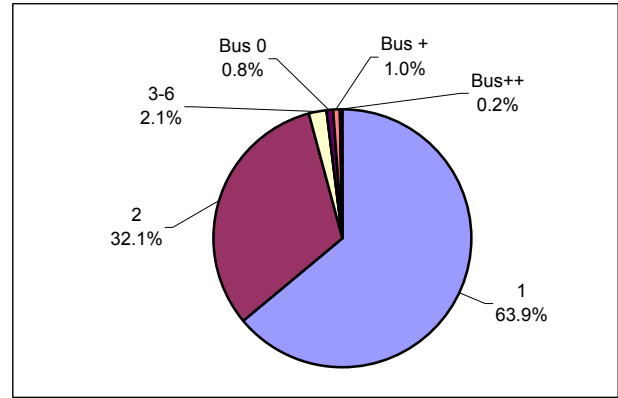
CLASSIFICATION LEGEND:

No.	Vehicle Type	FHWA Class
M	Motorcycles	Class 1
PC	Passenger Cars	Class 2
RV	Recreational Vehicles	N/A
V+T	Vehicles/RV pulling Trailer	N/A
BUS	Transit/Shuttle Buses	Class 4
TOUR	Tour Buses	Class 4
LT	Light-duty Trucks	Classes 3, 5
HT	Heavy-duty Trucks	Classes 6 - 13

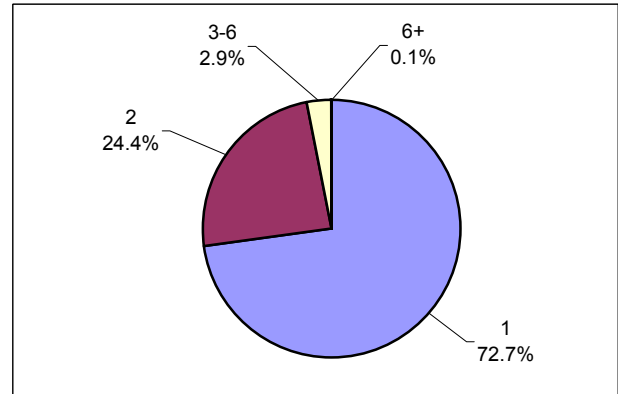
2003 TRAFFIC COMPOSITION SUMMARY

Vehicle Occupancy

Location: STATION 58010



Location: STATION 58030



OCCUPANCY LEGEND:

No.	Vehicle Occupancy
1	1 Occupant
2	2 Occupants
3-6	3-6 Occupants (car load)
6+	More than 6 Occupants, (non-Bus)
Bus 0	Bus, No Passengers
Bus +	Bus, Few Passengers
Bus++	Bus, Semi-Loaded
Bus Full	Bus, Fully Loaded

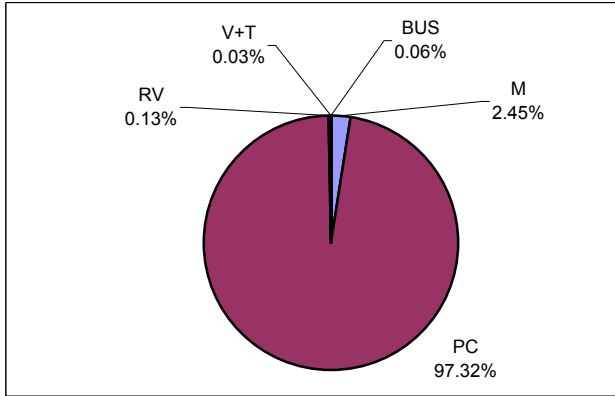
Note: Vehicle Classifications and Vehicle Occupancy values represented by 0% (No Occurrence) are not shown on the charts.

National Park Service Traffic Count Program

GATEWAY NATIONAL RECREATION AREA

Vehicle Classification

Location: STATION 58040



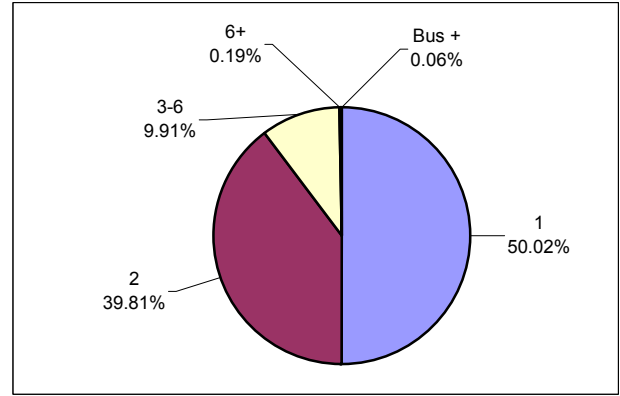
CLASSIFICATION LEGEND:

No.	Vehicle Type	FHWA Class
M	Motorcycles	Class 1
PC	Passenger Cars	Class 2
RV	Recreational Vehicles	N/A
V+T	Vehicles/RV pulling Trailer	N/A
BUS	Transit/Shuttle Buses	Class 4
TOUR	Tour Buses	Class 4
LT	Light-duty Trucks	Classes 3, 5
HT	Heavy-duty Trucks	Classes 6 - 13

2003 TRAFFIC COMPOSITION SUMMARY

Vehicle Occupancy

Location: STATION 58040



OCCUPANCY LEGEND:

No.	Vehicle Occupancy
1	1 Occupant
2	2 Occupants
3-6	3-6 Occupants (car load)
6+	More than 6 Occupants, (non-Bus)
Bus 0	Bus, No Passengers
Bus +	Bus, Few Passengers
Bus++	Bus, Semi-Loaded
Bus Full	Bus, Fully Loaded

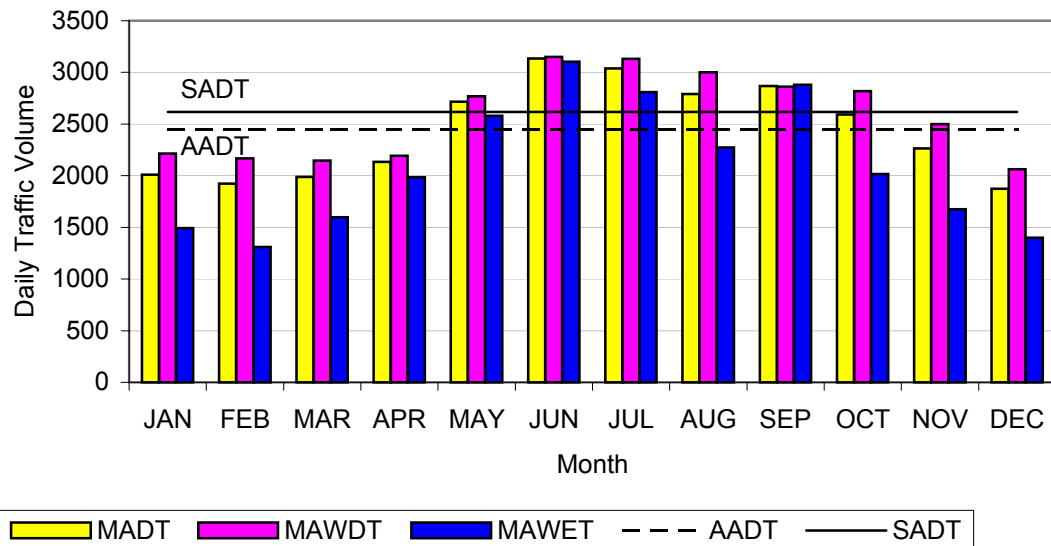
Note: Vehicle Classifications and Vehicle Occupancy values represented by 0% (No Occurrence) are not shown on the charts.

National Park Service Traffic Count Program

GATEWAY NATIONAL RECREATION AREA

Station: 58010 JBU-Floyd Bennett Ent. Rd. - Flatbush Ave. to Ranger Rd.

Month	Year	Average Day of Month (MADT)	Average Weekday of Month (MAWDT)	Average Weekend Day of Month (MAWET)	Annual Average Daily Traffic Factor (AADTF)	Seasonal Average Daily Traffic Factor (SADTF)
1	2003	2009	2216	1492	1.6384	1.7534
2	2003	1923	2168	1309	1.8675	1.9985
3	2003	1989	2145	1598	1.5297	1.6370
4	2003	2134	2194	1986	1.2309	1.3172
5	2003	2715	2769	2580	0.9475	1.0140
6	2003	3136	3149	3104	0.7875	0.8428
7	2003	3038	3130	2808	0.8705	0.9316
8	2003	2792	3000	2274	1.0750	1.1504
9	2003	2868	2862	2882	0.8482	0.9077
10	2002	2591	2820	2017	1.2119	1.2970
11	2002	2265	2501	1677	1.4577	1.5599
12	2002	1874	2064	1399	1.7473	1.8699
Annual Average Daily Traffic (AADT)				2445		
Annual Average Weekday Traffic (AAWDT)				2585		
Annual Average Weekend Traffic (AAWET)				2094		
Seasonal Average Daily Traffic (SADT)				2616		



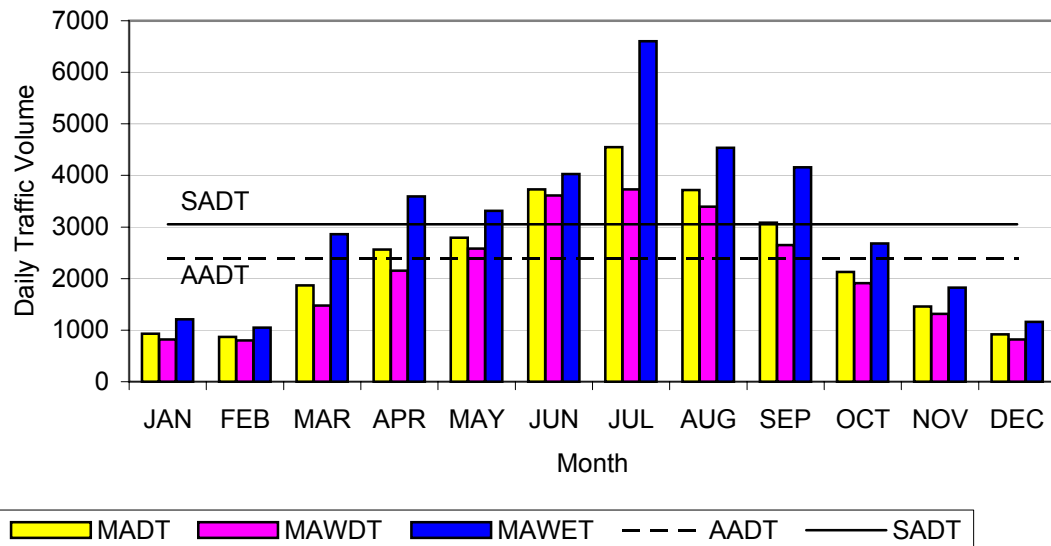
Note: AADTF is used to adjust coverage traffic volumes to AADT volume.
 SADTF is used to adjust coverage traffic volumes to SADT volume.
 SADT -- Seasonal Average Daily Traffic for the months containing 80% of annual volume.

National Park Service Traffic Count Program

GATEWAY NATIONAL RECREATION AREA

Station: 58030 SIU-Emmet Road - Park Bdry. To Great Kills Parking Area

Month	Year	Average Day of Month (MADT)	Average Weekday of Month (MAWDT)	Average Weekend Day of Month (MAWET)	Annual Average Daily Traffic Factor (AADTF)	Seasonal Average Daily Traffic Factor (SADTF)
1	2003	933	822	1209	1.9726	2.5269
2	2003	870	800	1046	2.2800	2.9207
3	2003	1871	1474	2862	0.8333	1.0674
4	2003	2562	2151	3590	0.6643	0.8510
5	2003	2792	2584	3311	0.7203	0.9227
6	2003	3731	3613	4025	0.5925	0.7590
7	2003	4550	3730	6600	0.3613	0.4629
8	2003	3720	3394	4537	0.5256	0.6734
9	2003	3082	2652	4157	0.5737	0.7349
10	2002	2130	1909	2681	0.8895	1.1395
11	2002	1459	1313	1823	1.3082	1.6758
12	2002	918	822	1159	2.0577	2.6359
Annual Average Daily Traffic (AADT)				2385		
Annual Average Weekday Traffic (AAWDT)				2105		
Annual Average Weekend Traffic (AAWET)				3083		
Seasonal Average Daily Traffic (SADT)				3055		



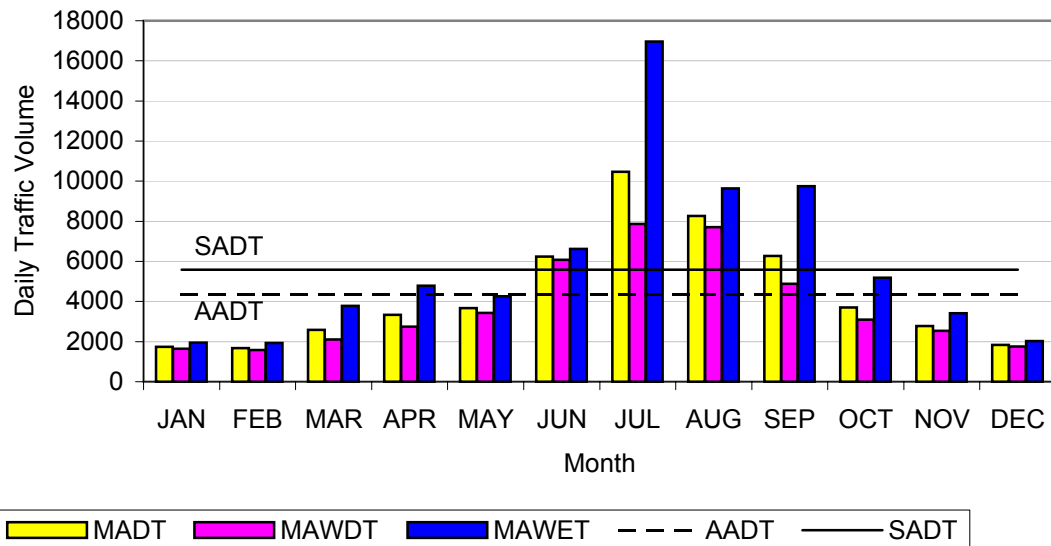
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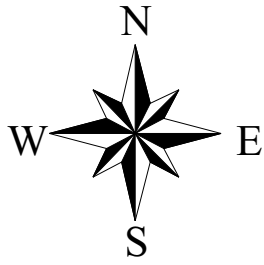
GATEWAY NATIONAL RECREATION AREA

Station: 58040 SHU-Hartshorne Dr. - NJ Hwy. 36 to So. Beach Access Rd.

Month	Year	Average Day of Month (MADT)	Average Weekday of Month (MAWDT)	Average Weekend Day of Month (MAWET)	Annual Average Daily Traffic Factor (AADTF)	Seasonal Average Daily Traffic Factor (SADTF)
1	2003	1732	1644	1950	2.2458	2.8667
2	2003	1681	1578	1937	2.2608	2.8859
3	2003	2587	2109	3783	1.1576	1.4777
4	2003	3331	2751	4782	0.9158	1.1690
5	2003	3670	3435	4258	1.0285	1.3128
6	2003	6235	6083	6615	0.6620	0.8450
7	2003	10470	7872	16966	0.2581	0.3295
8	2003	8259	7705	9645	0.4540	0.5796
9	2003	6278	4889	9751	0.4491	0.5733
10	2002	3695	3098	5187	0.8443	1.0777
11	2002	2784	2534	3411	1.2839	1.6388
12	2002	1829	1750	2029	2.1583	2.7551
Annual Average Daily Traffic (AADT)				4379		
Annual Average Weekday Traffic (AAWDT)				3787		
Annual Average Weekend Traffic (AAWET)				5860		
Seasonal Average Daily Traffic (SADT)				5590		

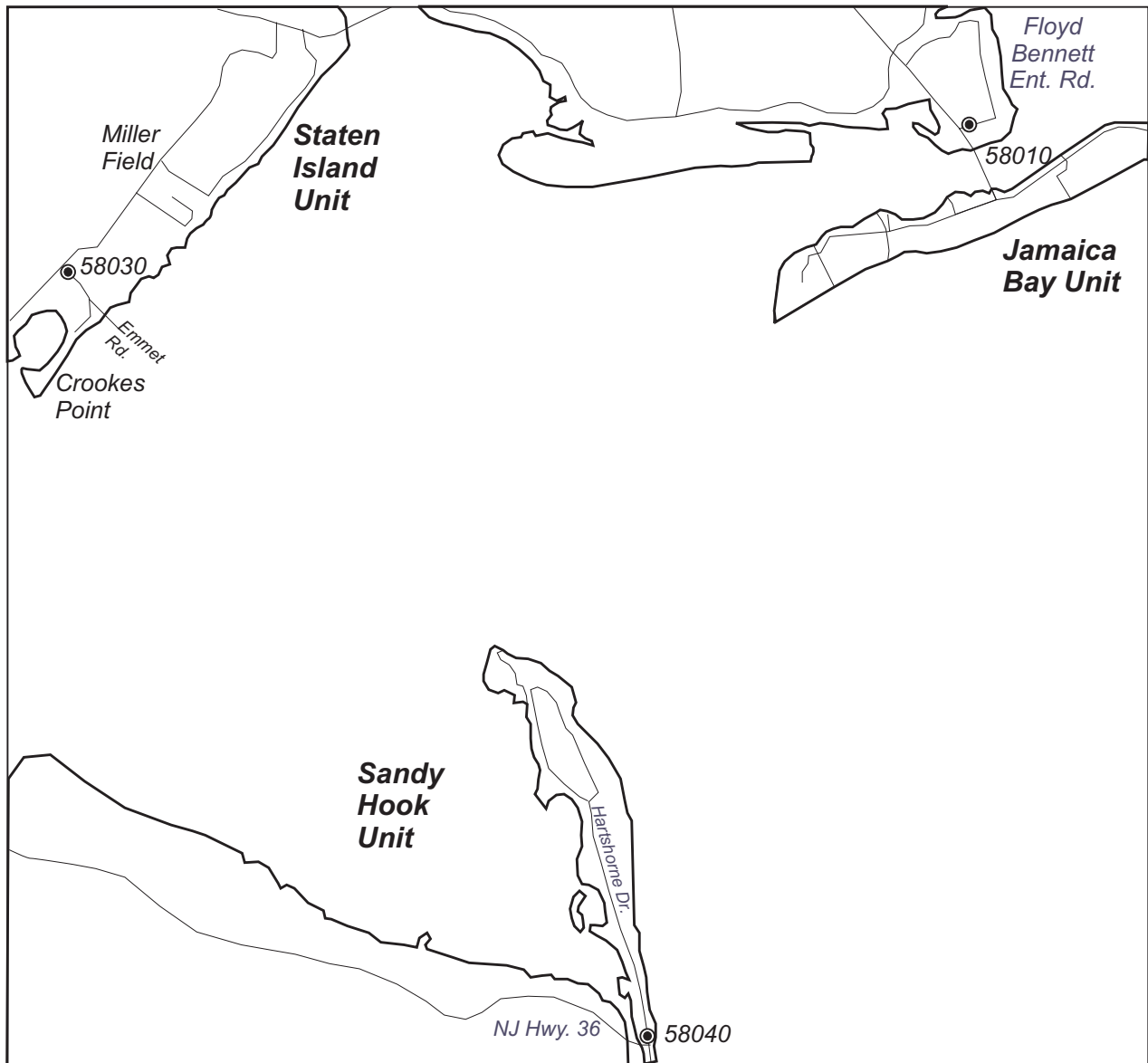


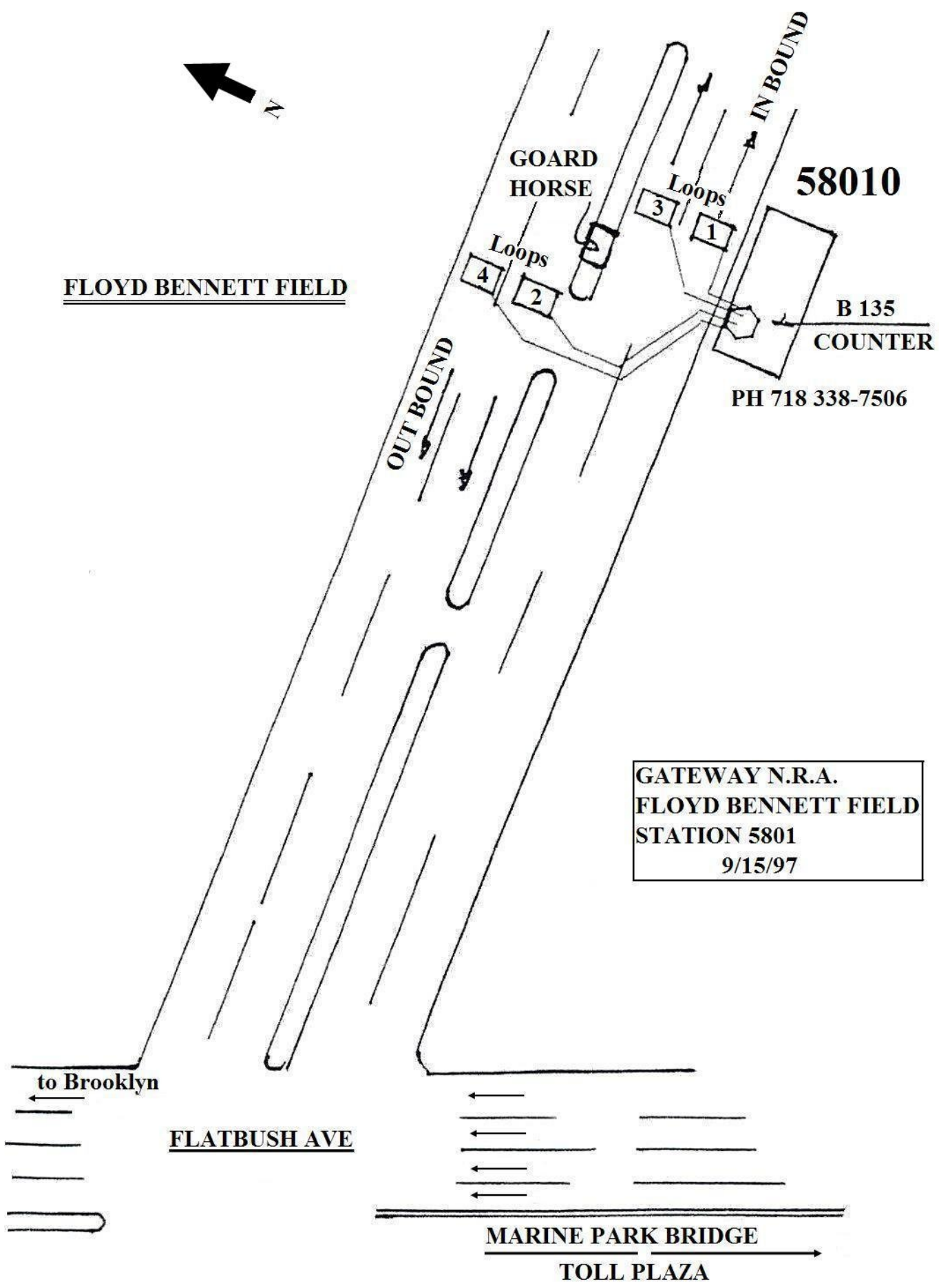
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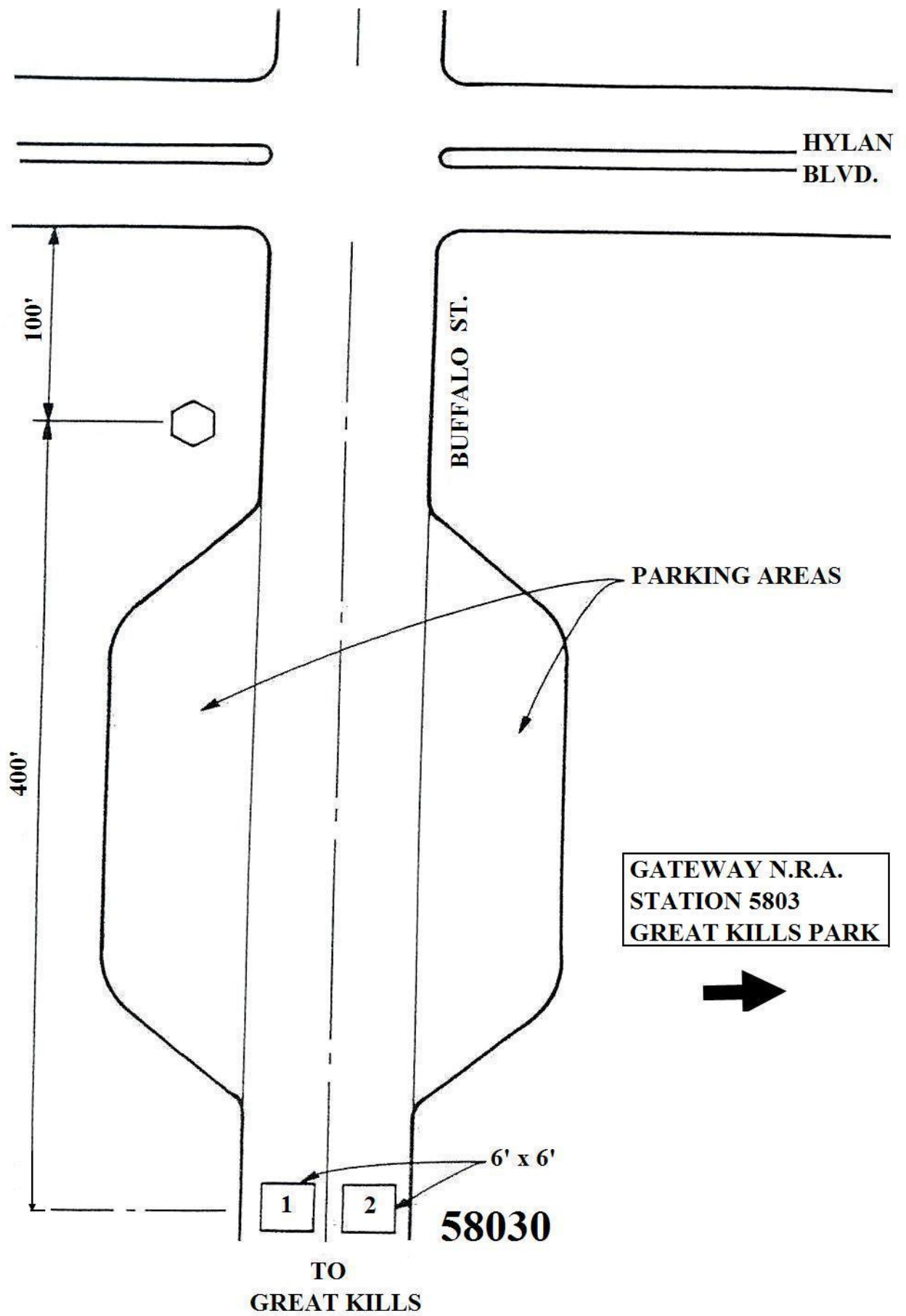


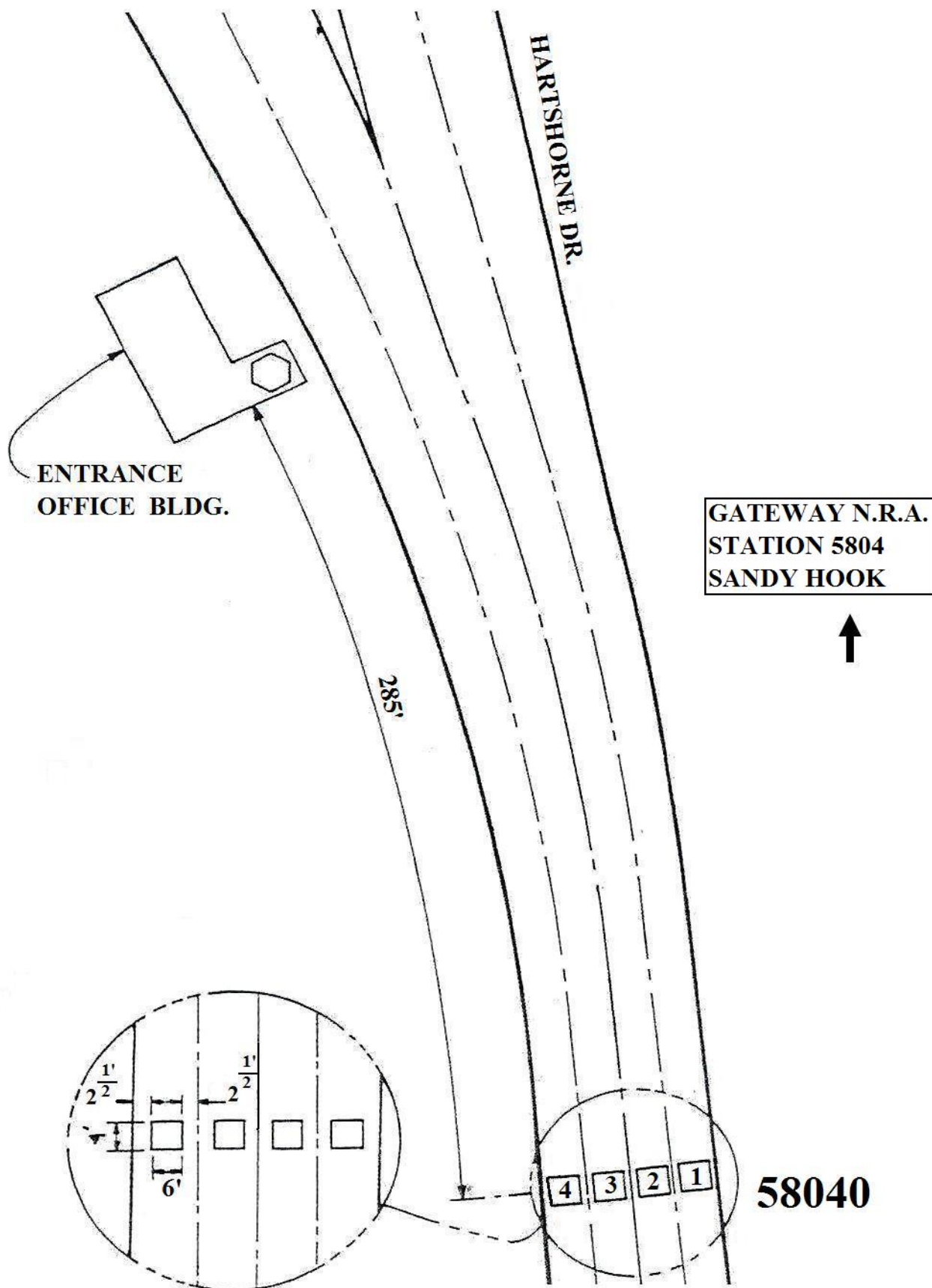
Gateway National Recreation Area

New York & New Jersey
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NATIONAL PARK SERVICE











www.eresconsultants.com

Submitted to:

**Mr. Frank Corrado, P.E., PTOE
Federal Highway Administration
Eastern Federal Lands Highway
Division**

**21400 Ridgetop Circle
Sterling, VA 20166**

Phone: 703-404-6372

Submitted by



**7184 Troy Hill Drive, Suite N
Elkridge, MD 21075**

Phone: (410) 540-9949

Fax: (410) 540-9288

ERES No. 5674